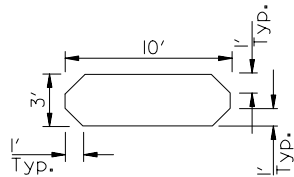
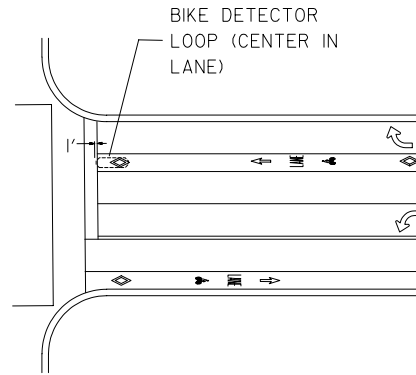


WIRING DIAGRAM FOR
OCCUPANCY LOOP DETECTOR
LOOP DUCT (ORANGE)



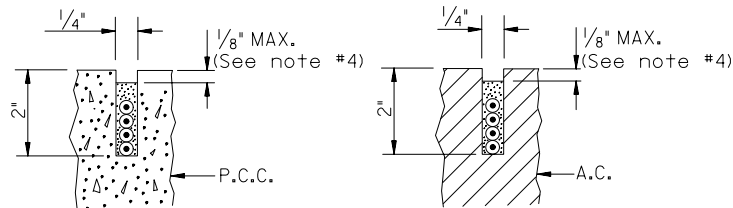
OCCUPANCY LOOP DETECTOR
SAW CUT PATTERN



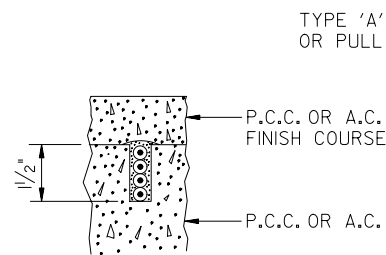
LOCATION MAP FOR
LOOP DETECTOR

NOTES:

- 1) CUT THE DIAGONALS AS SHOWN TO PREVENT SHARP BENDS IN THE WIRE. OVERCUT THE DIAGONALS SO THAT THE CORNERS HAVE THE FULL DEPTH REQUIRED.
- 2) THE SAW CUT SHALL BE AS SHOWN UNLESS OTHERWISE NOTED.
- 3) BLOW OUT ALL SAW CUTS BEFORE INSERTING THE WIRES. INSULATION SHALL BE INSERTED IN SUCH A MANNER THAT INSULATION SHALL NOT BE DAMAGED.
- 4) SAW CUTS SHALL BE FILLED WITH EPOXY LOOP SEALANT, OR EQUIVALENT SEALANT AS APPROVED BY CITY ENGINEER.
- 5) USE SAME MATERIAL (OR APPROVED EQUAL) FOR PATCHING EXISTING PAVEMENT. PATCH TO AT LEAST $\frac{1}{4}$ " HIGHER THAN SURFACE OF EXISTING PAVEMENT.
- 6) ALL DETECTOR LOOPS SHALL BE GIVEN A CONTINUITY AND INSULATION TEST BEFORE AND AFTER PLACING THE FINAL PAVING OR PLACING THE SEALER IN THE SAW CUTS.
- 7) LOOP DETECTORS SHALL BE LOCATED IN CENTER OF TRAVELED BIKE LANE UNLESS OTHERWISE NOTED ON PLANS AND SHALL BE APPROVED PRIOR TO SAW CUTTING.
- 8) DETECTOR LEAD-IN SAW CUTS SHALL BE 1' APART. THE FULL DEPTH REQUIRED.
9. INSTALL LOOP DETECTORS IN ADVANCE OF STOP BAR AND CROSSWALK.

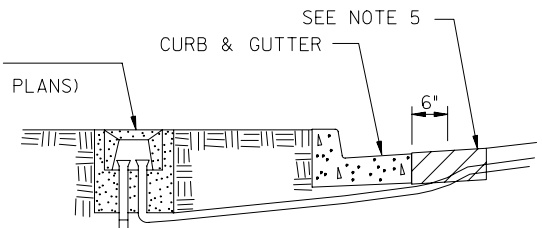


LOOPS IN FINISH COURSE



LOOPS IN SUB-BASE

TYPE 'A' MODULAR FOUNDATION
OR PULL BOX (REFER TO SIGNAL PLANS)



DETAIL "A"

ORIGINAL SIGNATURE ON FILE
AT THE CITY OF TEMPE

APPROVED: _____
DEPUTY PUBLIC WORKS DIRECTOR DATE

APPROVED: _____
CITY ENGINEER DATE



CITY OF TEMPE
PUBLIC WORKS DEPARTMENT

BICYCLE LOOP DETECTOR DETAIL

DETAIL T-576

REVISED 2000